## WHAT IS CLAIMED IS:

- 1. An aqueous ink composition which contains water, a water-soluble solvent, a water-soluble resin and a dye, and additionally a quick-drying property imparting agent, wherein the dye has a solubility in the water lower than a solubility in the water-soluble solvent, solubility in water of the dye is 10 wt% or lower, and the quick-drying property imparting agent has a solubility in the water lower than a solubility in the water-soluble solvent.
- 2. An aqueous ink composition according to claim 1, wherein content of the water in the ink composition is in the range of 30-95 wt%, ratio of the contents of the water and the water-soluble solvent is in the range of 9:1-3:7, and boiling point of the water-soluble solvent is lower than that of the water or vapor pressure of the water-soluble solvent is higher than that of the water.
- An aqueous ink composition according to claim 1, wherein solubility of the quick-drying property imparting agent in water is in the range of 0.1-60 wt%, and solubility of the quick-drying property imparting agent in the water-soluble solvent is in the range of 0.5-80 wt%.
- An aqueous ink composition according to claim 1, wherein melting point of the quick-drying property imparting agent is in the range of  $20-250^{\circ}$ C, solubility in water of the quick-drying property imparting agent

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- is 10 wt% or lower, and content of the quick-drying property imparting agent in the ink composition is in the range of 0.5-10 wt%.
- An aqueous ink composition according to claim 1, wherein the quick-drying property imparting agent is at least one compound selected from the group consisting of oxazole compounds and triazole compounds.
- An aqueous ink composition according to claim 5, wherein the quick-drying property imparting agent is at least one compound selected from the group consisting of 1,2,3-benzotriazole, benzotriazole-5-carboxylic acid, 1H-benzotriazole-1-methanol, N-(1H-benzotriazol-1-ylmethyl) formamide, benzoxazole, 2-mercaptobenzoxazole, 4-benzylamino-7-nitro-2,1,3-benzoxadiazole, and 2-benzoxazolinone.
- An aqueous ink composition according to claim 1 or 2, wherein the water-soluble solvent is at least one solvent selected from the group consisting of alcohol, ketone and ether solvents.
- 8. An aqueous ink composition according to claim 7, wherein the water-soluble solvent is at least one solvent selected from the group consisting of alcohols of not more than 3 carbon atoms.
- 9. An aqueous ink composition according to claim 8, wherein the water-soluble solvent is ethanol or propanol.
- 10. An aqueous ink composition according to claim 1, wherein the water-soluble resin is at least one

resin selected from the group consisting of polyvinylpyrrolidone, polyvinyl alcohol, polyurethane, polyacrylic acid, polyether and copolymers thereof.

- 11. An aqueous ink composition according to claim 1, wherein content of the water-soluble resin in the ink composition is in the range of 0.1-8 wt%.
- 12. An aqueous ink composition according to claim 1, wherein the dye is at least one dye selected from the group consisting of fluorescent dyes, inorganic dyes, organic dyes and solvent-insoluble dyes, and solubility of the dye in water at  $25^{\circ}$ C is not higher than 10 wt%.
- 13. An aqueous ink composition according to claim 12, wherein the dye is a fluorescent dye containing a rare earth element and a ligand.
- 14. An aqueous ink composition according to claim 13, wherein the rare earth element in the fluorescent dye is europium and the ligand is thenoyltrifluoro-acetone or naphthoyltrifluoroacetone.
- 15. An aqueous ink composition according to claim 1, wherein content of the fluorescent dye in the ink composition is in the range of 0.1-5 wt%.
- 16. An aqueous ink composition according to claim 1, wherein the total content of the components of the ink composition other than the water and the water-soluble solvent is in the range of 5-10 wt%.
- 17. An aqueous ink composition according to claim 1 which additionally contains at least one surface

treating agent selected from the group consisting of silicone-based surface treating agents and fluorine-based surface treating agents.

- 18. An aqueous ink composition according to claim 17, wherein content of the surface treating agent in the ink composition is in the range of 0.01-2 wt%.
- 19. An aqueous ink composition according to claim 1 which additionally contains at least one additive selected from the group consisting of binders, charge donating agents, pH adjusters, fluorescent sensitizers, surface treating agents, surface active agents, leveling agents, anti-foaming agents, germicides, and antioxidants.
- 20. An aqueous ink composition according to claim 1 which has a viscosity in the range of 1-8 cP and a flash point of not lower than  $20^{\circ}$ C.